AMPROBE

20 more NEW TOOLS

to save you time, money and energy

- Swivel Clamps for MRO
- Solar Power Suite
- Refrigerant Leak Detection
- Energy Efficiency Tools
- Underground Wire Tracers
- Water Quality Monitors
- CAT IV Clamps for Outside Plant

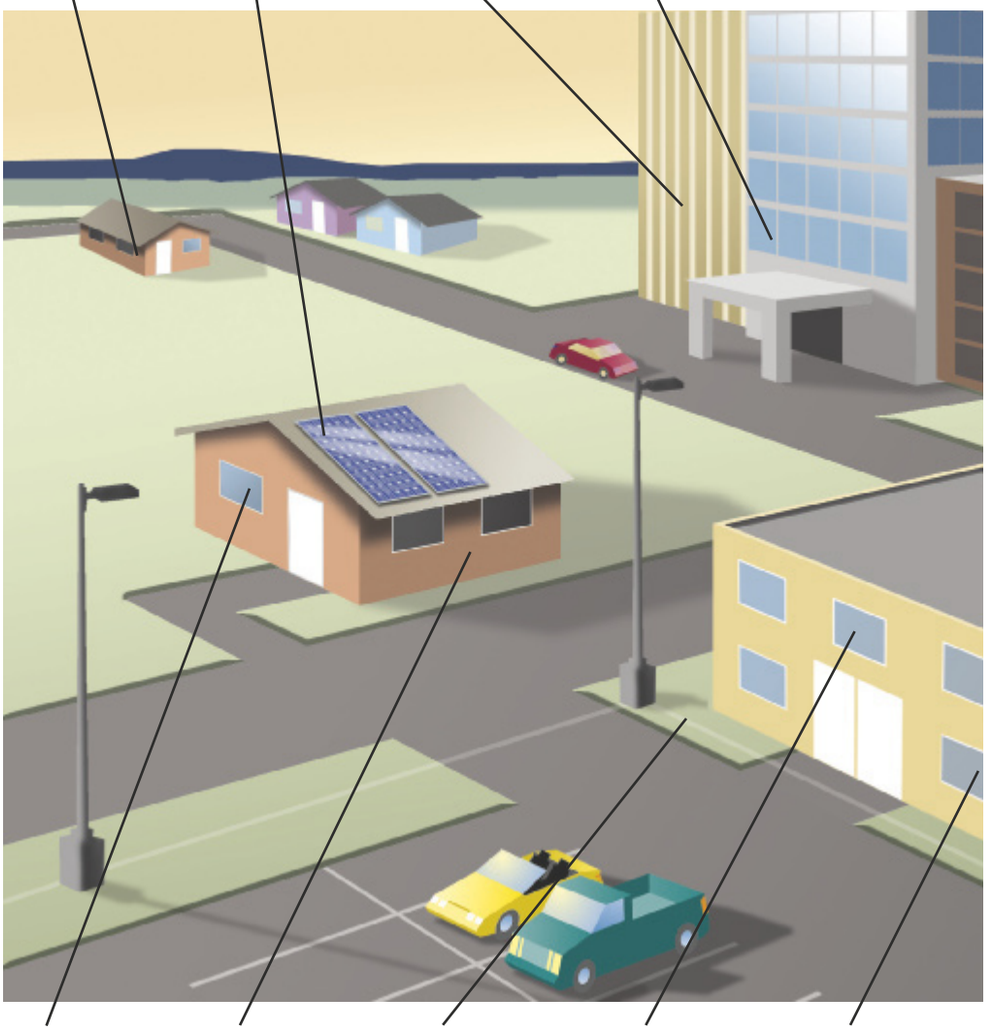
Full line 2009/10 Catalog

Amprobe
Quality and versatility
that saves you money, cuts energy

Your budget gets cut, but your workload continues to grow. Whether you're a professional in the industrial, electrical, construction or HVAC industries, you need tools that help you get your everyday jobs done faster and save money at every step. Last year we introduced 20 new products and this year over 20 more to expand our broad line of quality, reliable, inexpensive test equipment and offer you new ways to boost productivity and cut costs.

- **Improve energy efficiency by as much as 25% with the DM II Plus Power Quality Recorder (page 10).**
- **Instead of hiring expensive experts, take on jobs like monitoring water quality yourself. (page 6).**
- **If you're a contractor, you can expand your business with our new solar suite for solar power installations. (page 8).**

Browse through our 20 new products and see what works for you.



Battery testers to check sensors or instrument batteries
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Solar power suite for installations and maintenance
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Moisture meters for building leaks and damage
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Milliohm meters to find opens and shorts
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Fast, accurate underground cable and pipe locators
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Mini vane anemometers measure HVAC airflow and temperature
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Light meters prevent energy waste
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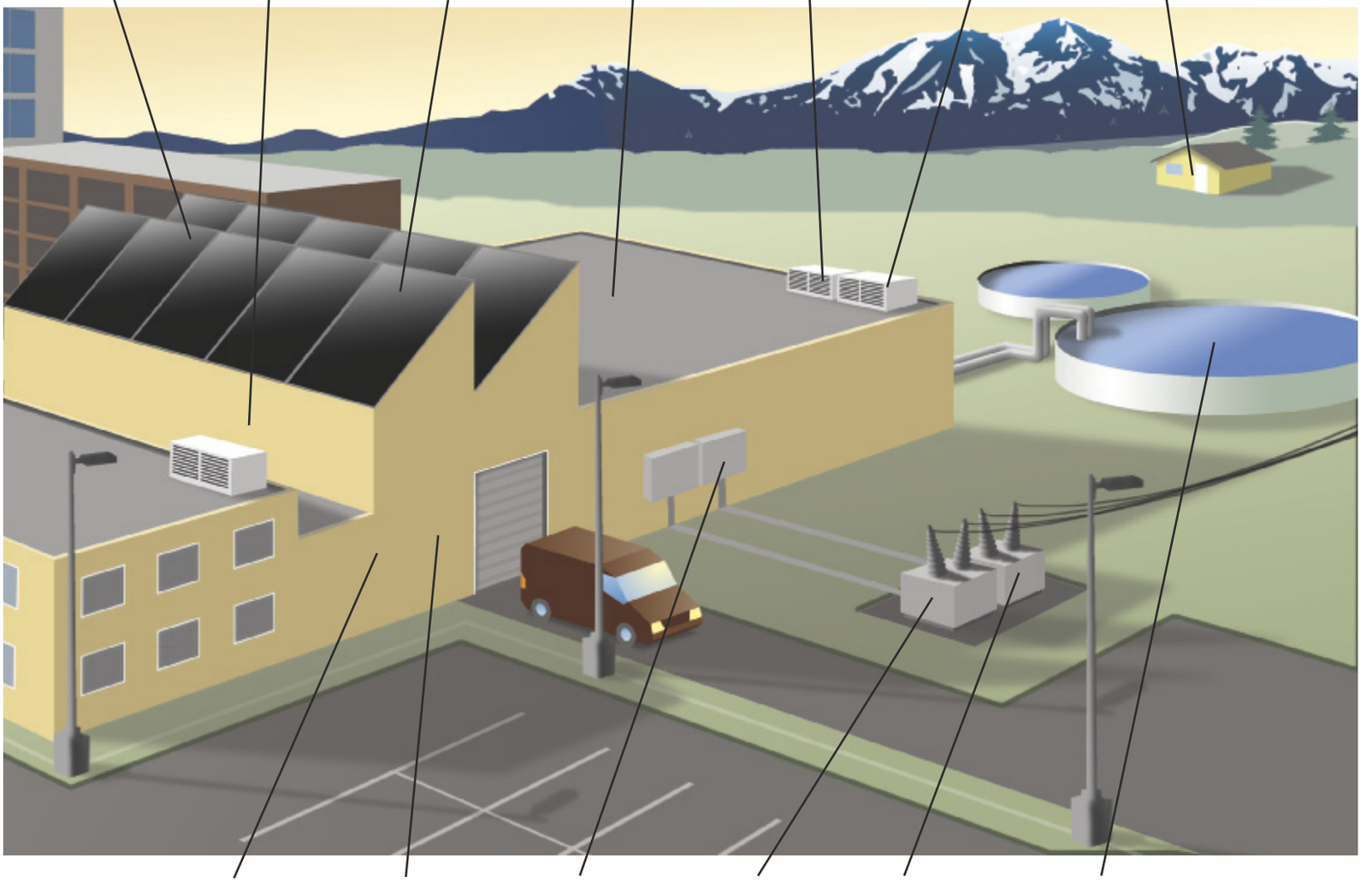
use, and improves productivity.


Process control stopwatches
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Combo tachometers for motors and belts
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Electronic voltage and continuity testers with shaker
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Water quality meters give you control of monitoring
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Maintenance, Repair and Operations

Swivel to see.

Get a perfect view of your measurements

ACD-20SW and ACD-21SW Swivel Clamp Meters

With the patented design of our new Swivel Clamp Meters, you can see the reading even in tight or inconvenient spots. Simply rotate the head to get an unobstructed view of the display. The slim jaw design puts all features within easy reach for one-handed operation. It's a faster and easier way to test. The CAT III 600V safety rating and temperature measurement makes these tools indispensable for both HVAC and electrical applications.

- 180-degree rotating head gives you a perfect view of the display
- Advanced VoltTect non-contact voltage detection
- Measures AC Current up to 400 ACA, AC/DC Voltage up to600V, Resistance and Capacitance
- Audible continuity
- Auto ranging for quick checks and manual ranging for precise measurements
- Safety CAT III 600 V

Safer voltage checks.

Electronic testers work better, last longer

VPC-30 & VPC-31 Voltage and Continuity Testers

For live voltage and continuity checks, these are the rugged, easy-to-use testers to carry. The built-in shaker provides the same functionality and feel as older analog solenoid testers. Yet these electronic testers offer far superior safety and reliability features including full input protection to CAT IV 600V / CAT III 1000V and a waterproof, dustproof IP65 design.

- Super-bright bi-color LEDs indicates safe and dangerous voltages (above 55VDC or 30VAC)
- Auto hold feature keeps LEDs illuminated for 10 seconds after leads are disconnected – no missed measurements
- Shaker feels like a solenoid tester to tell you when AC voltage is present
- Continuity buzzer and visual continuity LED
- Non-contact voltage detection
- Test feature for GFCI receptacles and breakers
- Automatically selects AC Voltage, DC Voltage or Continuity
- Standard detachable test lead lets you easily switch to a longer or specialized probe

For an extra level of safety

ACD-3300 & ACD-3400 IND
CAT IV Clamp Meters

If you have an industrial or utility testing application that demands a higher level of safety, reach for these new CAT IV rated Clamp Meters. True RMS sensing provides accuracy and dependability. Extra large jaws accommodate wide diameter wires. The ACD-3300 measures temperature to 1832°F/1000°C and the ACD-3400 measures DC Current to 1000A.

(For more details, see feature on page 19)

Check the batteries first!

BAT-100 and BAT-200 Battery Testers

Battery failure is a common cause of sensor or instrument failures. Our portable universal battery tester offers a simple test for both standard and rechargeable batteries. The easy-to-read display has color-coded indicators for "Good", "Low" and "Replace/Recharge". Tests 9V, AA, AAA, C, D and 1.5V button-type batteries.

Microwave leaks?

TX900
Microwave Leakage Detector

If you're an appliance engineer, here's an easy way to verify that commercial or residential microwave ovens meet current standards and regulations. The TX900 tests oven power and measures wave leakage. Eight dipole sensors detect plane wave signals of any polarization. Temperature compensation ensures accurate readings regardless of ambient temperature.

Maintenance, Repair and Operations

Meet regulations and save money.

The Clean Water Act, the Safe Drinking Water Act, OSHA and MSHA – these are just a few of the federal and state regulations and regulators that govern your facility's drinking water, waste water, hazardous waste, and impact the safe and legal operation of your facility. Instead of depending solely on expensive outside experts, or risking penalties – violations of the Safe Drinking Water Act start at $25,000 per day – you can take control of compliance and monitoring with some easy-to use tools from Amprobe.

Take control of water quality monitoring

WT Series
Water Quality Meters

While the cost of water is low compared to the cost of fuel and power, the price of problems can be extremely high. Facility managers can take control of the costs and risks of maintaining water quality, distribution and waste with Amprobe's one-touch water management testers. Monitor your own regulatory compliance instead of paying for outside laboratories – a full set of lab sets can cost up to $6000. Select from eight models to test for impurities in drinking water, and corrosion in building water or waste water systems including low pH, high chloride, high conductivity, and excess chlorine or turbidity.

Detect leaks and water damage

MT-10 Moisture Meter

Measure the moisture content of wallboard, wood, mortar, plaster or other building materials to identify areas of water damage or harmful mold growth. Measure wood or concrete flooring before installation, or check wood during drying or before woodworking. Three-color LED quickly indicates moisture severity. The backlight lets you work in dim areas.

Model #	Description	Measures
WT-10	PH/mV Pen-Type Water Quality Meter	PH ranges from 0 to 14
WT-20	Conductivity / Total Dissolved Solids. Pen-Type Water Quality Meter	Adjustable TDS factor from 0.4 to 1.0
WT-30	Salinity Pen-Type Water Quality Meter	Salinity (NaCL) from 1.0 to 70.0 ppt
WT-40, WT-70, WT-80	PH/ORP Water Quality Meters	pH or ORP
WT-50	Dissolved Oxygen Water Quality Meter	Dissolved Oxygen 0.0 to 199.9% or 0.00 to 19.99ppm
WT-60	Conductivity / Total Dissolved Solids Water Quality Meter	Conductivity up to 199.9 mS/cm and TDS up to 199.9ppt

For detailed specifications and ordering info go to **www.Amprobe.com**

Tools to improve processes.

Sound safety and acoustic analysis

SM-20-A Sound Level Meter-A
Ideal for safety engineers, health and industrial safety offices, and quality control, the SM20-A offers A and C weightings to ensure compliance with safety regulations and perform acoustic analysis. The 4-digit LCD displays sound levels in 0.1dB steps. Slow (one second) and fast (125ms) response settings allow you to check peak and average noise levels. Record in intervals from one second to eight hours with the PC download capabilities. This CE certified instrument meets IEC651 Type2 and ANSI S1.4 Type2 standards.

Check motors and belts

Tach 20 Combo Tachometers
This handheld top-of-the-line tachometer accurately measures rotational and surface speed as well as length. The large LCD display makes measurements easy to read. A built-in memory function automatically stores maximum, minimum, and average values as well as the last measurement displayed. The Tach 20 includes six adapters, a surface speed wheel for contact RPM measurement and an infrared beam function for non-contact measurements.

Save valuable seconds

TIME Series Process Control Stopwatches
Optimize your process by analyzing and timing each task with our precise stopwatches. Three models help you improve process flow, verify improvement times and save money on the production floor or assembly line. The TIME-30 offers built-in temperature and relative humidity readings for quick assessment of ambient conditions.

Solar energy

Solar power means business.

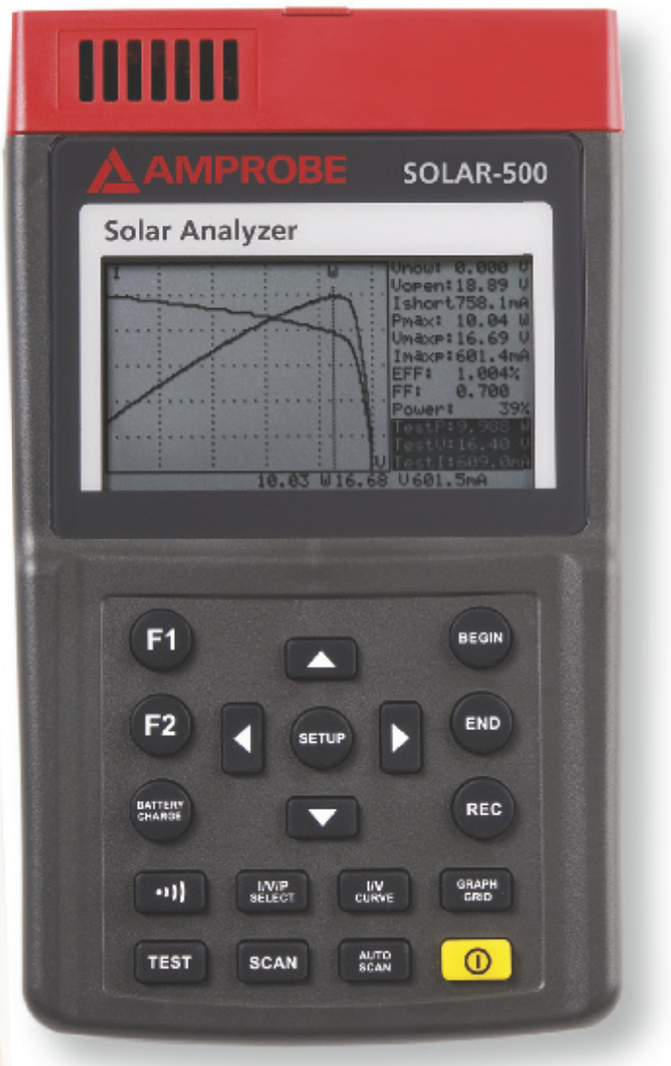
Equip yourself with our new suite of solar tools.

Install and commission solar panels with confidence

SOLAR-500 Solar Analyzer

Rely on this professional analyzer for installing, testing, trouble-shooting and maintaining solar panels. During installation, determine the proper inverter size and optimum power output position of panels. Measure the efficiency of solar panels and identify broken or worn-out cells.

- I-V Curve test for solar cell
- Maximum Solar Power (Pmax) search by auto-scan (60V, 6A)
- Maximum Voltage (Vmaxp) at Pmax
- Maximum Current (Imaxp) at Pmax
- Voltage at open circuit (Vopen)
- Current at short circuit (Ishort)
- I-V Curve with cursor
- Calculation of panel efficiency (%)
- Manual single point test



For detai

Optimize placement and verify window efficiency

SOLAR-100 Solar Power Meter

When you need to research the optimal location for solar panels or solar water heaters, make your solar measurements with the SOLAR-100. Calculate overall energy and efficiency. Analyze window performance by calculating and verifying the heating or heat reduction of direct sunlight. Produces a critical measurement for verifying proper operation of a PV array to its specs.

- Measures solar power and transmission up to 2000 W/m2, 634BTU/ (ft2xh)
- Power Mode measures the power per unit area of incident solar radiation
- Transmission Mode calculates the percentage of solar power transmission through a window or other material
- Convenient display with remote sensor technology
- Selectable measurement units either W/m2 or BTU/ (ft2 x h)
- MAX/MIN functions to identify locations with maximum or minimum power

Test solar power back-up and UPS systems

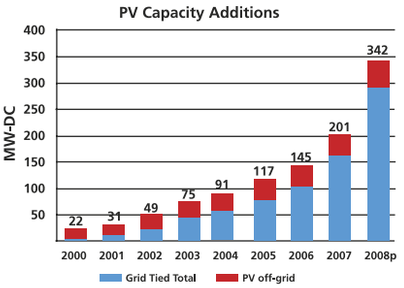
BAT-500 Battery Capacity Tester

For quick and accurate testing without taking batteries off line, use the BAT-500. To speed testing, a comparator function indicates pass/fail. The BAT-500 works with most batteries including compact storage batteries, alkaline and lead-acid up to 500Ah. For trending and life cycle analysis, download test results to a PC.

- Tests battery capacity to calculate its true life
- Resistance measurement up to 40 ohms, and voltage up to 40V
- Simultaneously measure battery resistance and voltage
- 99 memory locations to store results with read function
- Compact and lightweight

THE FUTURE IS BRIGHT FOR SOLAR.

The US solar industry is enjoying record growth despite the bleak economy. In 2008, total capacity reached 9,813 MW, up by 16%. Grid-tied photovoltaic (PV) capacity increased by 58% and solar water heating capacity by 40%.



On the national policy front, significant solar victories are paving the way for businesses and consumers to make long-term investments in solar. The Emergency Economic Stabilization Act extended the 30% solar investment tax credit for 8 years, lifted the cap on residential PV installations, and allows tax credits to be applied against the alternative minimum tax. The American Recovery and Investment Act established a temporary grant program that covers 30% of the cost of installing solar equipment and a $60 billion loan fund for renewable energy and transmission projects.

States and cities across the nation are instituting aggressive new solar policies. Massachusetts offers rebates up to $4.40 per watt for grid-tied solar systems. Hawaii requires new residential construction to include solar water heaters by 2010. Maryland and Missouri both increased their Renewable Portfolio Standard (RPS) goals to 20% and 15% respectively with specified percentage mandated for solar.

This all adds up to unprecedented opportunity for those who install, test and maintain solar systems. ***Be prepared to take advantage of the solar business boom with Amprobe's new suite of solar tools.***

Source: US Solar Industry Year in Review 2008
Solar Energy Industries Association, March 31, 2009

Energy efficiency

Cut energy costs and improve with Amprobe tools.

Log power usage and identify energy waste

DM-II Plus Power Quality Recorder

Maintain, diagnose and troubleshoot your electrical systems with this easy-to-use, three-phase power quality tool. It measures and records a broad spectrum of power quality parameters including voltage, current, voltage anomalies (sags or surges), harmonics, energy and power (active, reactive and apparent), power factor (true and displacement), and frequency. It comes as a complete kit including the DMII Plus with large display and a large memory for data storage, current transducers and Amprobe's Windows-compatible Download Suite PC software.

- Measures AC Current up to 1000A, AC Voltage, Active, Reactive and Apparent Power, Energy, Peak Demand and Power Factor
- All readings are True RMS
- Recording from one hour to several months
- Works with single and three phase systems (Y and delta)
- Capable of recording all parameters (single- or three-phase) simultaneously
- Optional transducers available for 100A and 3000A (flexible) current capability.

operating efficiency

The all-in-one PQ tool

DM-III MULTITEST
Power Quality Recorders

This True RMS, multi-talented device combines everything electrical engineers and technicians need for maintenance and installations on electrical systems. A full-featured three-phase power quality analyzer and data logger, the DM-III will measure and record voltage, current, voltage anomalies, harmonics, energy and power, power factor, frequency and phase sequence. It can test wires and motors for proper insulation, the resistance of grounding systems and resistivity of the soil. On-board memory makes it the perfect tool for preventative maintenance.

Identify energy waste and improve lighting

LM-120 Light meter
with Auto Ranging

Ensure the efficiency of your lighting system. Use the LM-120 to retrofit lighting, optimizing illumination for each task or activity and accurately measuring the illumination from fluorescent, metal halide, high-pressure sodium or incandescent sources up to 20,000 footcandle (ft) or 20,000 Lumen (lux).

HOW TO SAVE 25% ON ENERGY.
Regularly scheduled maintenance and other maintenance best practices can save the average commercial or industrial facility an average of 18-25% or even more. When equipment operates at peak efficiency it not only uses less energy but also saves staff time for troubleshooting and repairs.

Uncover hidden costs, reduce energy consumption, and improve productivity in these key areas:

- *Electrical Systems – Identifying and repairing worn cabling, overloaded or imbalanced circuits, loose connections or bad components helps eliminate inefficient energy usage.*
- *Electromechanical equipment – Motors consume 70% of all the electric energy manufacturing uses in the US. Even a 10% reduction in consumption cuts your electric bill by 7% and reduces downtime.*
- *Utility charges – By measuring and tracking peak power consumption you can stagger peak loads, balance demand and reduce utility bills by thousands of dollars every month.*
- *Power Supply to drives and electronic devices – Monitoring A/C input power to critical equipment can help eliminate harmonic distortion, reduce energy consumption, and prevent damage.*

Heating, Ventilation, AC, and Refrigeration

Save money. Improve the health

Pinpoint air conditioning leaks fast

RLD-1 Refrigerant Leak Detector

Troubleshoot air conditioning systems quickly and accurately with the RLD-1. State-of-the-art technology makes it easy to precisely pinpoint a wide variety of halogenated refrigerant leaks. The microprocessor-controlled gas sensor and advanced digital signal processing provides cutting-edge accuracy. The suction pump's instant response and quick clearing sensor speeds up the testing process.

- Precisely pinpoints the source of refrigerant leaks
- Detects R-134a, R-404A, R-407C, R-410A, R-22, Freon and other refrigerants
- Clearly indicates leaks with tri-color LED display and audio
- High-Medium-Low leak sensitivity selector
- Automatic zero and background compensation
- Reference Leak Source and carrying case included

# of your buildings.

Check air quality compliance

CO_2-200 Wall-Mounted Meter

For permanent monitoring of air quality in laboratories, production floors, and other critical, environmentally controlled areas, make the wall-mounted CO_2-200 a permanent fixture. Built-in alarms warn you of dangerous CO_2 levels. An output drive relay can trigger and control the airflow system. The high-performance, low-drift sensor with automatic background calibration ensures accuracy.

- Measures CO_2 to 2000 ppm, plus temperature, relative humidity, Dew Point and Wet Bulb
- Super large display
- Recording of maximum, minimum and average values with recall function
- Optional PC download capabilities for storage and analysis

CO_2-100 Handheld Meter

Get instant feedback on CO_2 levels while checking the air quality of hospitals, schools and offices. A built-in alarm warns you of dangerous CO_2 levels up to 3000 ppm. The high-performance, low-drift sensor ensures accurate readings and helps you maintain indoor air quality compliance.

- Triple display with simultaneous CO_2, temperature and relative humidity readings
- Selectable display of Dew Point and Wet Bulb
- Air Quality Analysis includes:
  - Time-weighted average (TWA) display over an 8-hour period
  - 15 minutes short-term exposure limit (STEL) value

Make accurate pressure measurements

MAN15, MAN30 and MAN02 Differential Pressure Manometers

Handheld, accurate and featuring an internal time clock to capture events, these tools are essential for HVAC/R pressure levels, testing gauges and making differential pressure measurements. Use the maximum and minimum value recordings with time stamp to adjust and troubleshoot pressure systems. The large backlight LCD makes readings visible in all light conditions.

- Choose 15 or 30 PSI (103.5kPA, 206.9 kPA) models
- Five selectable units of measure: InH2O, psi, mbar, bar, mmH2O
- Built-in computer USB port for data downloads with optional PC cable and software
- Includes connection hoses

Available October 2009
Measure air flow and temperature

TMA5 Mini Vane Anemometer

This pocket-size tool gives you an easy way to measure wind flow and temperature in air conditioning, heating, ventilation, or refrigeration systems. Simple, two-button operation, quick measurement response, and ergonomic design with wrist strap makes the TMA5 a handy tool to have along in residential, commercial or industrial buildings.

- Measures air velocity, temperature and ambient temperature (in °C or °F), humidity, Dew Point, Wet Bulb, wind-chill
- Selectable wind units: KNT (Knot), BF (Beaufort), ft/m (feet per minute), M/h (mile per hour), m/s (meter per second),km/h (kilometer per hour)
- Maximum wind speed display
- External temperature probe included

Swivel Clamp with Temperature

ACD-21SW Swivel Clamp Meter

Even when you're in a tight spot, you can get a good view of your measurements with the patented rotating head on our new Swivel Clamp Meters. Indispensable for HVAC, the ACD-21W measures AC current, AC/DC voltage, resistance, and capacitance as well as temperature. Advanced VoltTect offers non-contact voltage detection too.

(For more details, see feature on page 4)

More Heating, Ventilation, AC, and Refrigeration Tools

Quality, affordable tools to help you

You don't have to spend a lot of money to own versatile, long-lasting tools that won't let you down.

Air Flow/CFM

Every HVAC/R technician, electrician, and process engineer needs one.

TMA40
Anemomenter, Relative Humidity and Temperature
Make three types of measurements with one tool: Air velocity (FPM) or air volume (CFM), relative humidity, and temperature. Large digital display with backlight and flexible measurement vane make measurements easier to make in difficult areas. Measure up to 99 points and log up to 2400.

TMA10A
Anemometer with Flexible Precision Vane

Temperature

Affordable thermometers that last.

TMD-10
Dual-Temperature Portable Thermometer
Make easy Super-Heat or Sub-Cool calculations with this dual input thermometer for Type K or J thermocouples, Dual digital displays in °C or °F with Min/Max recording and relative readings.

TMD90A
Dual Input Digital Thermometer with Triple Display

TM45A
Type K Single Input Thermometer

TPP1-F1/TPP1-C1 Immersion Probe Pocket Thermometer
in F or C versions, both with easy to read displays and 0.l° resolution. Surface probe for flat surface contact is also available.

Infrared Thermometers

Quick, effective diagnostics for a wide range of HVAC/R problems.

IR608A
IR Thermometer with Laser Pointer
Offers easy targeting and comfortable "pistol" grip. Fast response time, backlit display, and display hold.

Relative Humidity

Precision capacitance sensors measure relative humidity from 0 to 100%, delivering accurate performance with long-term stability.

THWD-3
Relative Humidity, Temperature Meter offers dual display plus extended probe for easy access to air ducts. Measures Dew Point and Wet Bulb, too.

THWD-5
Relative Humidity and Temperature Meter with Web Bulb and Dew Point

TH-3
Relative Humidity Temperature Meter

TH-1
Compact Probe Style Relative Humidity Meter

get the job done right.

Temperature and RH Dataloggers

Monitor indoor air quality by logging both temperature and relative humidity readings with one compact unit.

TR300
Temperature and RH Datalogger
Visible LEDs plus audible warnings help you monitor IAQ conditions. Temperature, RH, Dew Point or Wet Bulb measurements are shown on the extra large triple-digit display. Use the Amprobe software and USB cable included to record data on your PC.

TR200
Temperature/RH Data Logger with Digital Display

TR100
Temperature Data Logger with Digital Display

Differential Pressure

Measure pressure levels or test valves with this portable unit.

MAN02
Handheld Manometer
Portable, battery-powered device shows gauge and differential pressure readings on the large dual digital display. Five selectable units of measure include inH2O, psi, mbar, bar, mmH2O. The RS-232 port and Amprobe's free software lets you download data to your PC.

Gas Leak Detectors

Quickly detect and pinpoint gas leaks.

GSD600
Gas Leak Detector
This fast-responding detector for methane and propane gas leaks emits beeps at a frequency that coincides with the concentration of the gas. The LED displays the gas level present in the room. Flexible probe provides access to difficult areas.

CM100
Carbon Monoxide Meter

Ultrasonic Leak Dectection

Leaks often generate an ultrasonic frequency beyond human hearing. By converting the sounds into an audible range, these tools easily detect leaks in pressurized air lines, refrigeration systems, or steam lines.

ULD-300
Ultrasonic Leak Detector
Find ends of buried PVC pipes. Detect any pressurized gas leak regardless of type. Parabola shield reduces background noise. Extension tube helps access difficult or dangerous areas.

TMULD-300
Ultasonic Leak Detector with Ultrasonic Transmitter

Ultrasonic Distance Meters

Measure the area or volume of a room, with instant accuracy.

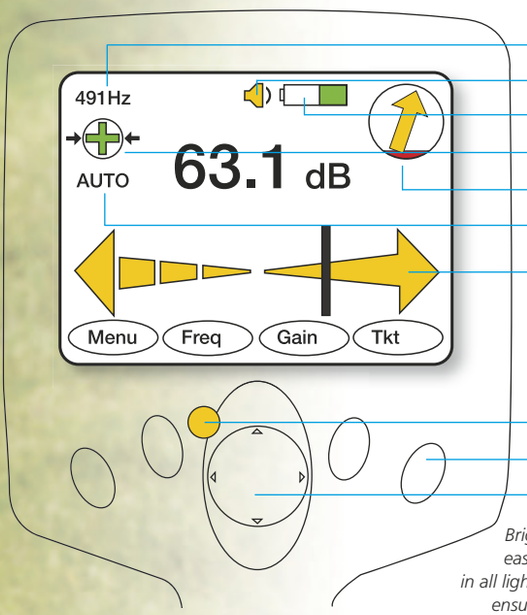
UDM45
Ultrasonic Distance Meter with Laser
This easy-to-use device with laser pointer for accurate targeting measures up to 49 feet (15 meters). It calculates area and volume and adds two measurements.

Outside Plant

Before you dig: Find out exactly

The fastest, most accurate technology for tracing underground wires, cables, and pipes

Buried utilities represent a major challenge to electricians who need to trace and troubleshoot those systems and a hazard to excavation crews. Digging without the proper preparation can damage cables or pipes and result in personal injury, costly repairs and penalties.



Bright VGA display offers intuitive, easily read graphics that are visible in all lighting conditions. Audible signals ensure clear unambiguous readings.

The AT-5000 and AT-5005 set a new standard for locating and pinpointing faults in underground systems. With superior design, powerful software and several new performance features, these models are faster and more accurate than any product available on the market today. Distance sensitive Left / Right indicators–not available on standard locators– guide the user to the exact location of the buried utilities, saving time and effort. The Signal Select and Distortion Alert offer superior accuracy. The user sees the clean signal of the traced line, compared to the "ghost" and 'return' path of false signals coming from the neighboring lines, so he or she can stay on the target line.

The ergonomically designed handheld receiver is designed for comfort. Lightweight and balanced, you can use it all day. Its rugged durable construction is weatherproof and drop resistant to 3 feet.

Pinpoint cable ground faults without digging

AT-5005 A-Frame attachment for the AT-5000

Non-destructively pinpoint cable ground faults in power and telecom cables with the optional A-Frame attachment for the AT-5000. Use the optional Pipe Transmitter to trace and locate non-metallic pipes.

what's underground.

Save time everyday with pinpoint accuracy

AT-5000 Professional Underground Cable and Pipe Locator System
Eliminate exploratory digging in parking lots or under floors for buried pipes and wires. The new technology of the AT-5000 makes tracing much faster, accurate and unambiguous. Three testing modes ensure best accuracy.

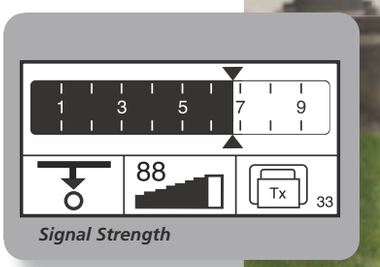
- Passive Power Mode (50, 60, 100 and 120 Hz) - To trace energized lines conducting current
- Passive Radio Mode (RF) - Uses surrounding radio waves to trace underground objects
- Active Mode - Strong testing signal generated by 10-Watt variable output transmitter for dependable depth and distance locating, down to 20 feet (6 meters). Use with induction mode or directly connected to the cable with test leads or optional clamp.
- Depth measurement
- Also available as AT-5005 kit. (Includes A-5000 A frame and CC-5000 carrying case)

The easy, economical solution for parking lots and airports

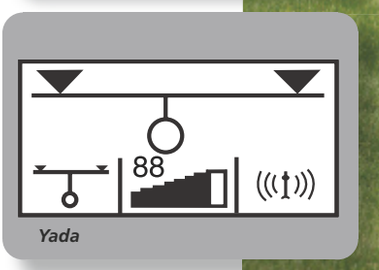
AT-3500 Underground Cable / Pipe Locator System
Keep productivity high and operational costs low, with the AT-3500. It's the rugged, economical solution for locating underground energized and de-energized wires, cables and pipes. Great for parking lot and airport lighting applications, it precisely pinpoints buried services, with exceptionally fast sound and meter response. The backlight multiple-segment bar-graph digital display plus audible indicators show and tell.

The AT-3500 employs the proven 33 kHz frequency for most locating applications. To avoid lines at utility construction sites, it also offers the highly sensitive power and radio modes. Take depth measurements with the press of a button.

- Three testing modes for best accuracy: Passive Power (50 / 60 Hz), Passive Radio (RF), and Active T-3500 (signal generator with induction mode or directly connected to the cable with test leads or optional clamp)
- Active Mode depth measurement up to 16 feet (4.9 meters)
- Semi-automatic gain control for fast signal location and control
- Complete instrument is ready to use with receiver, transmitter, connection cable, ground stake and ground cable
- Drop resistant to 6 feet



Signal Strength



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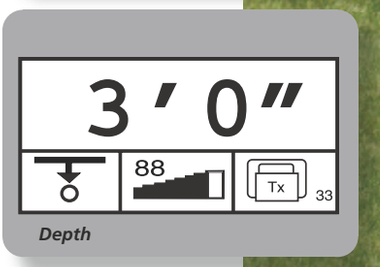

Depth

Outside Plant

CAT IV-rated tools for your industrial testing.

Clamps for a higher level of safety

ACD-3300 IND, ACDC-3400 IND CAT IV Industrial True RMS Clamp Meters

New CAT IV-rated clamps are ideal for industrial and utility applications that require an extra level of safety. These clamps offer True RMS sensing for accuracy and dependability. Extra large jaws accommodate wires up to 2 inches (51milimeters) in diameter.

- Measures AC Current up to 1000 ACA, Voltage up to 750 VAC/ 1000 VDC, Frequency, Resistance, Capacitance and Duty Cycle
- Temperature to 1832°F or 1000°C (ACD-3300 only)
- 1000A DC Current (ACDC-3400 only)
- Relative Zero (ACDC-3400 only)
- Auto and manual ranging
- Audible continuity
- Safety CAT IV 600 V, CAT III 1000 V

Diagnose potential failures before they occur

MO-100 Milliohm Meter

Quickly check windings. Find opens or shorts in motors, generators and transformers. Test resistance in wire-to-wire connections, heating elements and contact resistance in critical electrical connections. The lightweight, battery-powered MO-100 with its large LCD is comfortable to use all day. Robust construction makes it durable.

- Accurate four terminal measurement down to 100u ohms without test leads resistance compensation
- 5 Ranges from 200.0 milliohms to 2000 ohms with minimum resolution of 100 microohms
- Measurement precision with three test currents and over-temperature protection
- Protection against inadvertent connection to overvoltage

For detailed specifications and ordering

utility and heavy-duty

Available November 2009
Detect dangerous voltages without connection

TIC 300 PRO AC Voltage Detectors
Check high-voltage transmission lines, power distribution equipment, and downed power lines as well as lower voltage for fuses, breaker panels and power outlets with these two rugged reliable utility tools. For both industrial and mine safety applications, our Tic Tracers audibly warn you of AC voltages without a connection to the current carrying conductor. The TIC300 PRO has two measurements ranges: 1500 V and 122kV, and adapts to a Hot Stick for voltages above 122kV. The TIC300 PRO measures to 1500V and tests continuity and capacitors.

- Detects AC voltage without connection
- Audible signal (both models) plus visual indicator
- Lightweight and rugged with integrated switch guard
- MSHA approved

For voltages up to 122 kV

TIC 410A Hot Stick for the TIC300 PRO
Safely check voltages up to 122kV with this 48-inch Hot Stick.

Take these clamp meters to extremes

RS-3 PRO and RS-1007 PRO: CAT IV Analog Clamps
Digital clamp meters have LCD screens that tend to freeze below 32°F but the RS-3 PRO and RS-1007 CAT IV analog clamps can take extreme cold and keep on measuring amps and volts–without problems or batteries.

- Measures AC Current up to 600A (RS-3 Pro) or 1000A (RS-1007), Voltage up to 600 VAC, Resistance and Continuity
- Easy-to-read rotary scale
- Works in temperatures from 5° to 122°F
- Operates on 50 and 60Hz frequencies
- CAT IV, 600 V Safety Rated

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